

## ABSTRACT:

In a sound reproduction or recording system an audio signal is multiplied by a gain factor ( $z$ ) which is dependent on the input level ( $y$ ). The dependence of the gain factor on input level is chosen such that unvoiced phonemes are at least 6 dB, preferably at least 12 dB more enhanced than voiced phonemes, where preferably the average gain is less than 6 dB. This improves the intelligibility.

Fig. 8